

§ 121.7 Chemical agents.

A *chemical agent* in Category XIV(a) is a substance having military application which by its ordinary and direct chemical action produces a powerful physiological effect. The term “chemical agent” includes, but is not limited to, the following chemical compounds:

- (a) Lung irritants:
 - (1) Diphenylcyanoarsine (DC).
 - (2) Fluorine (but not fluorene).
 - (3) Trichloronitro methane (chloropicrin PS).
- (b) Vesicants:
 - (1) B-Chlorovinylchloroarsine (Lewisite, L).
 - (2) Bis(dichloroethyl)sulphide (Mustard Gas, HD or H).
 - (3) Ethyldichloroarsine (ED).
 - (4) Methylchloroarsine (MD).
- (c) Lachrymators and tear gases:
 - (1) A-Bromobenzyl cyanide (BBC).
 - (2) Chloroacetophenone (CN).
 - (3) Dibromodimethyl ether.
 - (4) Dichlorodimethyl ether (ClCi).
 - (5) Ethyldibromoarsine.
 - (6) Phenylcarbylamine chloride.
 - (7) Tear gas solutions (CNB and CNS).
 - (8) Tear gas orthochlorobenzalmalononitrile (CS).
- (d) Sternutators and irritant smokes:
 - (1) Diphenylamine chloroarsine (Adamsite, DM).
 - (2) Diphenylchloroarsine (BA).
 - (3) Liquid pepper.
- (e) Nerve agents, gases and aerosols. These are toxic compounds which affect the nervous system, such as:
 - (1) Dimethylaminoethoxycyanophosphine oxide (GA).
 - (2) Methylisopropoxyfluorophosphine oxide (GB).
 - (3) Methylpinacolyloxyfluorophosphine oxide (GD).
- (f) Antiplant chemicals, such as: Butyl 2-chloro-4-fluorophenoxyacetate (LNF).

§ 121.8 End-items, components, accessories, attachments, parts, firmware, software and systems.

(a) An *end-item* is an assembled article ready for its intended use. Only ammunition, fuel or another energy source is required to place it in an operating state.

(b) A *component* is an item which is useful only when used in conjunction with an end-item. A major component

includes any assembled element which forms a portion of an end-item without which the end-item is inoperable. (EXAMPLE: Airframes, tail sections, transmissions, tank treads, hulls, etc.) A minor component includes any assembled element of a major component.

(c) *Accessories* and *attachments* are associated equipment for any component, end-item or system, and which are not necessary for their operation, but which enhance their usefulness or effectiveness. (EXAMPLES: Military riflescopes, special paints, etc.)

(d) A *part* is any single unassembled element of a major or a minor component, accessory, or attachment which is not normally subject to disassembly without the destruction or the impairment of design use. (EXAMPLES: Rivets, wire, bolts, etc.)

(e) Firmware and any related unique support tools (such as computers, linkers, editors, test case generators, diagnostic checkers, library of functions and system test diagnostics) specifically designed for equipment or systems covered under any category of the U.S. Munitions List are considered as part of the end-item or component. *Firmware* includes but is not limited to circuits into which software has been programmed.

(f) *Software* includes but is not limited to the system functional design, logic flow, algorithms, application programs, operating systems and support software for design, implementation, test, operation, diagnosis and repair. A person who intends to export software only should, unless it is specifically enumerated in § 121.1 (e.g., XIII(b)), apply for a technical data license pursuant to part 125 of this subchapter.

(g) A *system* is a combination of end-items, components, parts, accessories, attachments, firmware or software, specifically designed, modified or adapted to operate together to perform a specialized military function.

§ 121.9 Firearms.

(a) Category I includes revolvers, pistols, rifles, carbines, fully automatic rifles, submachine guns, machine pistols and machine guns to caliber .50, inclusive. It includes combat shotguns. It excludes other shotguns with barrels